

## CLAIMS:

1. An antenna adjustment method, comprising:  
gathering information on interference in predetermined radio cells;  
arranging the gathered information radio cell-specifically for processing;  
determining a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference the radio cell produces to other cells;  
searching for the radio cells having the antenna tilting factors that fulfill a predetermined criterion; and  
tilting the antennas of the searched radio cells.
2. The method of claim 1, wherein the gathering step comprises gathering the information on the interference, which comprises pilot-channel signal-strength measurement results measured by user terminals.
3. The method of claim 1, wherein the gathering step comprises gathering the information comprising soft handover statistics.
4. The method of claim 1, wherein the gathering step comprises gathering the information comprising a total average power emitted by a base station during a predetermined period of time.
5. The method of claim 1, wherein the gathering step comprises gathering the gathered information, which is arranged in a matrix.
6. The method of claim 1, wherein the determining step comprises determining the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

7. The method of claim 1, wherein the searching step comprises searching for the radio cells having the antenna tilting factors that fulfill the predetermined criterion, which is a value that exceeds the average of the determined antenna tilting factors by a predetermined amount.

8. An antenna adjustment system, comprising:

gathering means for gathering information on interference in predetermined radio cells

arranging means for arranging the gathered information radio cell-specifically for processing;

determining means for determining a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

searching means for searching for radio cells having the antenna tilting factors that fulfill a predetermined criterion.

9. The system of claim 8, wherein the information on the interference comprises pilot-channel signal-strength measurement results measured by user terminals.

10. The system of claim 8, wherein the information comprises soft handover statistics.

11. The system of claim 8, wherein the information includes a total average power emitted by a base station during a predetermined period of time.

12. The system of claim 8, wherein the arranging means arranges the gathered information into a matrix.

13. The system of claim 8, wherein the determining means determines the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

14. The system of claim 8, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors by a predetermined amount.

15. A network element for adjusting antennas, comprising:

gathering means for gathering information on interference in predetermined radio cells;

arranging means for arranging the gathered information radio cell-specifically for processing;

determining means for determining a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

searching means for searching for the radio cells having the antenna tilting factors that fulfill a predetermined criterion.

16. The network element of claim 15, wherein the information on the interference comprises pilot-channel signal-strength measurement results measured by user terminals.

17. The network element of claim 15, wherein the information comprises soft handover statistics.

18. The network element of claim 15, wherein the information comprises a total average power emitted by a base station during a predetermined period of time.

19. The network element of claim 15, wherein the arranging means arranges the gathered information into a matrix.

20. The network element of claim 15, wherein the determining means determines the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

21. The network element of claim 15, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors.

22. The network element of claim 15, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors by a predetermined amount.

23. An antenna adjustment system configured to:  
gather information on interference in predetermined radio cells;  
arrange the gathered information radio cell-specifically for processing;  
determine a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and  
search for the radio cells having the antenna tilting factors that fulfill a predetermined criterion.

24. A network element for adjusting antennas configured to:  
gather information on interference in predetermined radio cells;  
arrange the gathered information radio cell-specifically for processing;

determine a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

search for the radio cells having the antenna tilting factors that fulfill a predetermined criterion.